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CLAIMS:

1. A highly refractory inorganic foam body consisting of a mixture which has at least partially open-cell structure and is foamed and cured by heating, which mixture consists of alkali water glass and aluminum hydroxide as well as one or more fillers selected from the group consisting of aluminum oxides, silicon oxides, alumina cement, powdered stone or mixtures thereof, having a bulk density within a range of from 200 to 900 kg/m³.
2. The foam body according to claim 1, characterized by containing aluminum hydroxide in an amount of from 60 to 80% by weight.
3. A process for the preparation of a foam body according to either of claims 1 or 2, in which a blowing agent is added to a mixture of alkali water glass and optionally a filler selected from the group consisting of aluminum oxides, silicon oxides, alumina cement, powdered stone or mixtures thereof, which further contains aluminum hydroxide, and all is heated at a temperature within a range of from 200 to 300 °C.
4. The process according to claim 3, characterized in that azodicarbonamide is employed as the blowing agent.
5. Use of a foam body according to any of claims 1 to 4 for the preparation of refractory building elements in civil and constructional engineering.
6. The use according to claim 5 for the preparation of fire doors and fire-protection linings, especially in lift shafts and lift doors.